Performance Data Sheet

AJB2433ZXA

General Information

Model	AJB2433ZXA	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-40	Btu/h	2180	1960	1740	1520	1300	1090	875
	Watts	636	616	596	576	555	533	510
	Amps	6.86	6.59	6.31	6.03	5.75	5.46	5.16
	Lb/h	37.1	34.9	32.8	30.6	28.3	26.0	23.7
-35	Btu/h	2650	2360	2090	1810	1530	1250	978
	Watts	691	678	664	649	634	619	602
	Amps	7.33	7.13	6.91	6.70	6.47	6.25	6.01
	Lb/h	44.9	42.3	39.6	36.9	34.1	31.3	28.4
-30	Btu/h	3160	2820	2480	2140	1800	1470	1130
	Watts	747	740	732	724	715	706	695
	Amps	7.79	7.65	7.50	7.35	7.19	7.03	6.86
	Lb/h	53.5	50.4	47.2	44.0	40.8	37.5	34.2
-25	Btu/h	3730	3330	2930	2530	2130	1730	1340
	Watts	804	803	802	800	797	794	789
	Amps	8.25	8.17	8.09	8.00	7.91	7.82	7.71
	Lb/h	63.1	59.5	55.8	52.2	48.5	44.7	40.9
-20	Btu/h	4350	3890	3430	2970	2510	2050	1590
	Watts	862	867	872	876	880	883	885
	Amps	8.70	8.69	8.68	8.66	8.63	8.60	8.57
	Lb/h	73.6	69.5	65.4	61.3	57.2	53.0	48.8
-15	Btu/h	5030	4500	3980	3460	2930	2410	1890
	Watts	922	933	944	954	964	973	982
	Amps	9.15	9.21	9.27	9.32	9.36	9.40	9.43
	Lb/h	85.1	80.6	76.1	71.6	67.0	62.4	57.8
-10	Btu/h	5750	5160	4580	3990	3410	2830	2250
	Watts	982	1000	1020	1030	1050	1070	1080
	Amps	9.61	9.74	9.87	9.98	10.1	10.2	10.3
	Lb/h	97.8	92.9	88.0	83.1	78.1	73.1	68.1
-5	Btu/h	6520	5870	5220	4580	3930	3290	2650
	Watts	1040	1070	1090	1110	1140	1160	1180
	Amps	10.1	10.3	10.5	10.7	10.9	11.0	11.2
	Lb/h	112	106	101	95.8	90.5	85.1	79.7

0	Btu/h	7340	6630	5920	5210	4510	3800	3100
	Watts	1110	1140	1170	1200	1230	1250	1280
	Amps	10.6	10.8	11.1	11.4	11.6	11.9	12.1
	Lb/h	127	121	116	110	104	98.5	92.8
5	Btu/h	8210	7440	6670	5900	5130	4360	3600
	Watts	1170	1210	1250	1280	1320	1350	1390
	Amps	11.1	11.4	11.8	12.1	12.4	12.8	13.1
	Lb/h	143	137	131	125	119	113	107
10	Btu/h	9120	8290	7460	6630	5800	4970	4140
	Watts	1240	1280	1330	1370	1410	1450	1490
	Amps	11.6	12.0	12.4	12.9	13.3	13.7	14.1
	Lb/h	161	155	149	142	136	130	123

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.301184E+04	8.595654E+02	8.364247E+00	1.712225E+02
C2	2.672481E+02	2.739104E+00	-1.651093E-02	3.727738E+00
C3	-7.086896E+01	3.061967E+00	2.741667E-02	-5.551110E-01
C4	1.002194E+00	2.930831E-02	1.865549E-04	2.371548E-02
C5	-1.226137E+00	1.267060E-01	1.432880E-03	-7.205807E-03
C6	-2.508366E-03	1.649424E-03	9.646250E-06	3.492660E-05
C7	-5.016470E-04	2.009327E-04	6.183656E-06	1.076042E-04
C8	-2.932339E-04	8.057186E-05	2.769748E-06	4.526284E-05
C9	-3.631257E-05	6.660319E-06	1.777427E-07	1.992180E-06
C10	2.154819E-05	-1.391930E-05	-9.196754E-08	-5.161963E-07

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature